The Rural District Council of Grimsby.

Offices : DEANSGATE, GRIMSBY.

Sanitary Committee.

ALL MEMBERS OF THE COUNCIL.

Chairman of Council :

CANON J. F. QUIRK, J.P., M.A., (Oxon.)

Clerk :

J. F. WINTRINGHAM, Esq., LL.B.

Chairman of Sanitary Committee :

W. D. FIELD, Esq., J.P., B.A., (Camb.)

Medical Officer of Health :

G. O. McKANE, L.R.C.P., Edin., &c.

Sanitary, Housing, Canal Boats and Foods Inspector :

JAMES H. EVANS, M.S.I.A.

Grimsby Rural District Council.

Waltham,

Grimsby,

March 20th, 1916.

To the Chairman and Members of the Grimsby Rural District Council.

Gentlemen,

I beg to submit for your consideration my Annual Report for the year ended December 31st, 1915.

In accordance with the Order of the Local Government Board I have systematically inspected my District during the year, as well as at other times when my attention has been called to any condition likely to affect the public health.

I have had submitted to me for analysis several samples of water and with one exception have found them to be good potable water.

My remarks *re* Notified Infectious Cases will be found under Table II. I should like here to say that my instructions in the matter of disinfection of premises where there has been any infectious Cases have been promptly and efficiently carried out by Mr. Evans, the Sanitary Inspector.

I have visited and inspected all the Schools in my District and generally speaking have found sanitary matters satisfactory.

In the course of my inspection at Aylesby on the occurrence of a case of Diphtheria there, I inspected the School at Laceby, as the child at Aylesby attended that School, and I am pleased to say that I consider it a model as to cleanliness, space, ventilation and drainage.

The arrangements for the Medical Inspection of School Children are in the hands of the County Medical Officer.

The places over which the Council have supervision are Slaughter-houses, Bakehouses, Factories, and Workshops—these have all been inspected and found generally in a cleanly and good sanitary condition.

There have been, during the year, 30 new houses certified as fit for habitation, distributed as follows, viz.:—Healing 5, Humberstone 1, Immingham 12, Little Coates 4, Scartho 5, Stallingborough 2, and Waltham 1.

All these houses are properly drained, have a sufficiency of open space about them, an ample supply of good water, have cleanly surroundings, and have been erected under the supervision of the Council's Surveyor, who has certified them as fit for habitation.

The Scavenging and Sewage Disposal of the District has been efficiently carried out to the satisfaction of the Sanitary Inspector.

Table I. shows fully the number of Deaths and Births registered in the District, the Deaths and Death Rate for 1915, the number of Births and the Birth Rate for 1915, also the number of transferable Deaths.

The reduction of the "Population estimated to the middle of the year" from 12,436 in 1914, to 10,426 in 1915, has been arrived at by following the instructions contained in a Circular Note issued by the Registrar General to Medical Officers of Health; in the same Circular instructions were given to estimate the Birth Rate for 1915 based upon the existing estimates of total population for 1914.

Table II. shows the total number of Infectious Cases notified to me in accordance with the Notification of Diseases Act to be 33, from this number must be deducted 4 cases which occurred in Naval and Military men, leaving the number for the District to be 29. This compares favourably with 1914, when there were 84 cases notified.

The "localities" I have used in this Table are Parishes and Groups of Parishes which are as nearly contiguous as I could arrange them.

Analysing this Table I find there were 9 Cases of Diphtheria notified in the District, viz.: 3 at Immingham, 2 at Bradley, 1 at Scartho, 2 at Laceby, and 1 at Aylesby.

In most of the cases Swabs were taken and Bacteriologically examined with the result that 7 were positive and 2 negative.

Whenever possible I made a thorough investigation of the premises; where isolation was not possible the cases were sent to the Borough of Grimsby Isolation Hospital; and, to the parents of those cases which were kept at home full instructions were given as to the proper way to isolate, so as to reduce to a minimum the possibility of spreading the Infection; and disinfectants were supplied. Where it was not possible for me to visit the premises Mr. Evans, the Sanitary Inspector, did so and reported to me the result of his visits. On being informed at the end of the illness I notified Mr. Evans and he throughly disinfected the premises. Acting on the Council's directions I have arranged with a chemist to supply antitoxin to the Doctor who notified each case of Diphtheria.

My Council have also decided to pay a fee for each Swab taken and sent to the County Medical Officer of Health for Bacteriological Examination by any Practitioner in attendance on a case of Diphtheria in a School child occurring in the Council's District.

Of the 6 cases of Scarlet Fever—3 occurred at Healing, 1 at Immingham, and 2 at Little Coates. Of the 3 at Healing 1 occurred in a soldier, the other 2 being infected by him.

The 1 case of Enteric Fever was in a naval man on board one of H.M. ships at Immingham. It will be noted that this table contains a case of Beri-Beri, a very rare disease seen in this country. The man was a Swede, who had lived for some time in squalor at Buenos Ayres, and I understood from the Captain of the vessel when inspecting it, was ill when he joined his ship at Havre. Of the 10 cases of Tuberculosis 6 were of the lungs and 2 other forms, 4 of the 6 cases of Phthisis were at Little Coates and 2 at Immingham.

The County Medical Officer of Health issues weekly a statement of all Notifiable Diseases, which he receives from the Medical Officers of Health of the County, giving a summary of all Infectious Diseases in the different Sanitary Districts.

This I consider of very great importance, as, by it, each Medical Officer of Health is kept informed of any, and what, Infectious Diseases are present immediately contiguous to his own District.

With regard to Non-Notifiable Diseases the County Medical Officer of Health transmits to me a copy each week of such cases which are reported to him by the Head Teacher of the different Schools.

Table III. shows that about one-half of the Deaths Registered in the District occurred in people over 65 years of age (51), and children under one year (27), Heart Disease 19, Bronchitis 13, Cancer 11, Premature Birth 11, Phthisis 8, and Measles 7. It is remarkable that the Deaths of children under one year (27) is the same as in 1914, also that the number of Deaths from Heart Disease should be the same in 1914 and 1915, viz.: 19.

Table IV. deals with mortality in children under one year. Of the 27 Deaths under one year there is a slight increase over the number under one week compared with 1914. There is also a slight increase in the Death Rate of children under one year (100), compared with 1914, when it was (95.07).

Here again we have the remarkable coincidence that the number of Deaths under one year, viz., 27, should be the same in 1915 as in 1914.

I am,

Gentlemen,

Yours faithfully,

G. O. McKANE,

Medical Officer of Health,

Grimsby Rural District Council.

Vital Statistics of whole District during 1915 and previous years.

TABLE I.—L.G.B. GRIMSBY RURAL DISTRICT.

YEAR.	Population estimated to middle of each year.	Births.			Total Deaths registered in the District.		Transferable Deaths ‡		Nett Deaths belonging to the District.			
			Nett.						Under 1 year of age.		At all Ages	
		Uncorrected Number.	Number †	Rate.	Number *	Rate.	Of Non-residents registered in the District. †	Of residents not registered in the District. †	Number *	Rate per 1,000 Nett Births.	Number *	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1910	8,340		255	30·5	117	14·0			30	117·6	129	15·4
1911	10,756	236	240	22·31	124	12·2	3	15	36	150·0	136	12·6
1912	11,143	289	292	26·1	113	10·0	3	15	22	75·3	125	11·2
1913	11,873	285	287	24·17	128	10·78	11	18	25	87·10	135	11·37
1914	12,436	282	284	22·83	122	9·81	14	27	27	95·07	135	10·85
1915	10,426	269	270	21·71 *	139	13·33	11	24	27	100	152	14.57

NOTES.—This Table is arranged to show the gross births and deaths registered in the district during the calender year.and the births and deaths properly belonging to it with the corresponding rates. The rates should he calculated per 1000 of the estimated gross population as stated in Col. 2, without the use of the standardising factor for the district given in the Annual Report of the Registrar-General. In a district in which large Public Institutions for the sick or infirm seriously affect the statistics, the rates in Columns 5 and 13 may be calculated on a nett population, obtained by deducting from the estimated gross population the average number of inmates not belonging to the district in such institutions.

* In Column 6 are to be included the whole of the deaths registered during the calendar year as having actually occurred within the district. but excluding the deaths of Soldiers and Sailors that have occurred in hospitals and institutions in the district. Information as to the number and causes of such deaths should, however, be given in the text of the report.

In Column 12 is to be entered the number in Column 6, corrected by subtraction of the number in Column 8 and by addition of the number in column 9. Deaths in Column 10 are to be similarly corrected by subtraction of the deaths under 1, included in the number given in Column 8, and by addition of the deaths under 1 included in the number given in Column 9.

† The Medical Officer of Health will be able from the returns made to him by the local Registrar of Deaths, as well as from the quarterly lists furnished by the Registrar-General, to fill in Column 8 in accordance with the rule in the next paragraph below. The Registrar-General, either directly or through the County Medical Officer of Health, will supply the Medical Officer of Health with the particulars of deaths to be entered in Column 9; and all such deaths must be included in this Column, unless an error is detected, and its correction has been accepted by the Registrar-General. For Column 4 the Registrar-General will furnish about the end of January to the Medical Officer of Health a Statement of the number of births needing to be added to or subtracted from the total supplied by the local Registrar.

‡ "Transferable Deaths" are deaths of persons who, having a fixed or usual residence in England or Wales, die in a district other than that in which they resided. The deaths of persons without fixed or usual residence, *e.g.*, casuals, must not be included in Columns 8 or 9, except in certain instances under 3 (*b*) below. The Medical Officer of Health will state in Column 8 the number of transferable deaths of "non-residents" which are to be deducted, and will state in Column 9 the number of deaths of "residents" registered outside the district which are to be added in calculating the nett death-rate of his district.

The following special cases arise as to Transferable Deaths :—

(1) Persons dying in Institutions for the sick or infirm, such as hospitals, lunatic asylums, workhouses, and nursing homes (but not almshouses) must be regarded as residents of the district in which they had a fixed or usual residence at the time of admission. If the person dying in an Institution had no fixed residence at the time of admission, the death is not transferable. If the patient has been directly transferred from one such institution to another, the death is transferable to the district of residence at the time of admission to the first institution.

(2) The deaths of infants born and dying within a year of birth in an Institution to which the mother was admitted for her confinement should he referred to the district of fixed or usual residence of the parent.

(3) Deaths from Violence are to he referred (*a*) to the district of residence, under the general rule; (*b*) if this district is unknown, or the deceased had no fixed abode, to the district where the accident occurred, if known; (*c*) failing this, to the district where death occurred, if known; and (*d*) failing this, to the district where the body was found.

Area of District in acres (land and inland water), 43,201.

Total population at all ages, 10,629. Total families or separate occupiers, 2,086.

At Census, 1911 (Figures given in Census special volume for the County, also in Vols. I., VI., and VIII. of the reports of the Census of England and Wales).

* This Birth Rate is calculated on the estimated population for 1914.

TABLE II.—L.G.B.

CASES OF INFECTIOUS DISEASE Notified during the Year 1915.* GRIMSBY RURAL DISTRICT.

Notifiable Disease.	Number of Cases Notified.								Total Cases Notified in each Locality. (*e.g.* Parish or Ward) of the District.						Total Cases removed to Hospital.
	At all Ages.	At Ages†—Years.													
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and Upwards.	Group I.	Group II.	Group III.	Group IV.	Group V.	Group VI.	
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
‡Cholera (C) Plague (P)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria, including Membranous croup	9	...	3	3	...	3	...	...	2	1	...	3	...	3	4
Erysipelas	1	...	...	...	...	...	1	...	...	1	...	...	...	...	...
Scarlet fever	6	...	1	5	...	...	...	...	...	...	3	1	2	...	1
Typhus fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric fever	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...
†Relapsing fever (R) Continued fever (C)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...
Pulmonary Tuberculosis	8	...	...	2	1	2	3	...	...	2	...	2	4	...	...
Other forms of Tuberculosis	2	...	1	...	1	...	...	...	...	1	...	...	1	...	...
§ Beri Beri	1	...	...	...	...	...	1	...	...	...	...	1	...	...	1
TOTALS	29	1	5	11	2	5	5	...	2	6	3	7	8	3	6

NOTES.—State in space below the name and position within or without the district of the isolation hospital or hospitals, sanatoria or other institutions to which the residents in the district, suffering from infectious disease, have usually been sent, and the name of the authority by whom the hospital is provided

§ This space may be used for record of other diseases the notification (compulsory or voluntary) of which is in force in the district

† These age columns for notifications should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

‡ Specify the disease by initial against the figure.

* The figures should take account of any corrections made as a result of error in notification or revision of diagnosis as a result of the further course of the disease (*cf.* para (3) on p. 3 of the Weekly Summary of Cases of Infectious Diseases). Cases of infectious disease occurring amongst soldiers and sailors should NOT be included in this Table, but a separate statement as to these, when known, should be given in the body of the Report.

Isolation Hospital or Hospitals—R. D. C. Isolation Hospital at Immingham Grimsby Borough Isolation Hospital. Sanatoria, &c.—No Sanatoria.

TABLE III.—L.G.B.

Causes of, and Ages at Death during the Year 1915.

GRIMSBY RURAL DISTRICT.

SEE NOTES PAGE 10.

Causes of Death.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District. (a). All Ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45	45 and under 65.	65 and upwards.	Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District (b).
1	2	3	4	5	6	7	8	9	10	11
All causes { Certified (c) ...	148	25	8	6	9	7	21	23	49	
All causes { Uncertified ...	4	2							2	
Enteric Fever										1
Small-Pox										
Measles	7	1	4		2					
Scarlet Fever										4
Whooping-Cough										
Diphtheria and Croup ..	3			1			2			6
Influenza	5				1			1	3	
Erysipelas										
Phthisis (Pulmonary Tuberculosis)	8				1	2	3	2		
Tuberculous Meningitis ..	3		1	1			1			1
Other Tuberculous Diseases ...	1					1				
Cancer, malignant disease ..	11						1	1	9	
Rheumatic Fever										
Meningitis (*See* note (*d*)) ..	3			1	1	1				4
Organic Heart Disease ..	19	1		1	1		4	4	8	
Bronchitis	13	2	2					2	7	
Pneumonia (all forms) ..	9	1	1	1			3	2	1	
Other diseases of Respiratory organs	4					1	1	2		1
Diarrhœa and Enteritis (*See* note (*e*))	1	1								
Appendicitis and Typhlitis ..	1				1					
Cirrhosis of Liver										
Alcoholism										
Nephritis and Bright's Disease	2						1	1		
Puerperal Fever										
Other accidents and diseases of Pregnancy and Parturition ..										
Congenital Debility and Malformation, including Premature Birth	11	11								
Violent Deaths, excluding Suicide	6	2				1	1	1	1	
Suicide										
Other Defined Diseases	44	8		1	2	1	4	7	21	
Diseases ill-defined or unknown.	1								1	
Totals	152	27	8	6	9	7	21	23	51	17
Sub-Entries. included in above figures. (*a*) Cerebro-spinal Meningitis ...	1						1			
(*a*) Poliomyelitis ..										
*Pneumonia ..	4						1	2	1	

* Sub-Entries should here be made for other deaths which it is desirable to distinguish, on account of their administrative importance or special interest (*e.g.*, any deaths from Anthrax, Typhus or Glanders, which have been included under *Other Defined Diseases*; or deaths from pneumonia other than broncho-pneumonia which have been included under *Pneumonia all forms*).

NOTES TO TABLE III.

The classification and numbering of Causes of Death are those of the "Short List" on page XXV. of the Manual of the International List of Causes of Death, which should be consulted and followed in all cases of doubt.

Copies of this Manual were distributed to Medical Officers of Health in 1912 by the Registrar-General, and may be purchased either directly or through any bookseller from Wyman & Sons, Ltd., 29, Breams Buildings, Fetter Lane, E.C., price 1/-.

(*a*) All "Transferable Deaths" of residents, *i.e.*, of persons resident in the District who have died outside it, are to be *included* with the other deaths in columns 2-10. Transferable deaths of non-residents, *i.e.*, of persons resident elsewhere in England and Wales who have died in the District, are in like manner to be *excluded* from these columns. For the precise meaning of the term "transferable deaths" *see* footnote to Table I.

The total deaths in column 2 of Table III. should equal the figures for the year in column 12 of Table I.

(*b*) All deaths occurring in institutions for the sick and infirm situated within the district, whether of residents or of non-residents, are to be entered in the last column of Table III.

(*c*) All deaths certified by registered Medical Practitioners and all Inquest cases are to be classed as "Certified"; all other deaths are to be regarded as "Uncertified."

(*d*) Exclusive of "Tuberculous Meningitis" (10), but inclusive of Cerebro-spinal Meningitis.

(*e*) Title 19 should be used for deaths from Diarrhœa and Enteritis at all ages (In the "Short List" deaths from Diarrhœa and Enteritis under 2 years are included under Title 19; those at 2 years and over being placed under Title 28.)

N.B.—Deaths of Soldiers and Sailors occurring in hospitals and institutions in the district are to be excluded from the total number of deaths registered in the district, and such deaths should in like manner be excluded from column 11 of Table III.

TABLE IV.—L.G.B.

GRIMSBY RURAL DISTRICT.

INFANT MORTALITY, 1915.

Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSES OF DEATH.	Under 1 Week	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 month.	1-3 Months.	3-6 Months	6-9 Months.	9-12 Months.	Total Deaths under 1 year.
All causes { Certified.	10	2	1	3	16	2	3	3	1	25
All causes { Uncertified.						1		1		2
Small-pox	...	...	...	..	...	.	...	...	.	...
Chicken-pox	.	...	.	...	...	...	...	..	.	...
Measles	...	...	.	...	...	...	...	1	...	1
Scarlet Fever	...	...	...		...	..	..	...	.	...
Whooping-cough	...	...	.	...	...	..	..	...	...	...
Diphtheria and Croup ...	...	...	...	...	...	...	...	...	..	...
Erysipelas	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	..	...
Abdominal Tuberculosis (*b*) ...	...	...	...	...	...	...	...	.	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	.	.	...	...	...
Meningitis (*not tuberculous*)	...	...	...		...	...	...	...	..	..
Convulsions	2	1	...	..	3	1	...	..	..	4
Laryngitis	...	...	...	..	...	...	...	..		...
Bronchitis	...	...	...	...	...	.	...	2	..	2
Pneumonia (all forms) ...	...	...	..	...	...	..	...	...	1	1
Diarrhœa	...	...	...	...	...	...	.	...	...	...
Enteritis	.	...	1	.	1	...	...	...	...	1
Gastritis	.	.	...	...	...	...	1	...	...	1
Syphilis	...	1	...	..	1	..	...	...	...	1
Rickets	...	...	...		...	...	...	..	...	...
Suffocation, overlying ...		.	...	...	...	.	...	...	..	...
Injury at Birth	...	.	...	...	...	.	.	...	...	...
Atelectasis	1	...	...	...	1	.	...	...	..	1
Congenital Malformation (*c*)	1	..	...	.	1	.	...	1	...	2
Premature Birth	3	...	.	1	4	...	...	.	.	4
Atrophy, Debility and Marasmus	2	...	...	2	4	1	1	..	..	6
Other causes	1		...	.	1	1	1	...	..	3
Totals	10	2	1	3	16	3	3	4	1	27

Nett Births in the year { legitimate 260. illegitimate 10.

Nett Deaths in the year of { legitimate infants 24. illegitimate infants 3.

NOTES TO TABLE IV.

(*a*) The total in the last column of Table IV. should equal the total in column 10 of Table 1, and in column 3 of Table III.

(*b*) Under Abdominal Tuberculosis are to be included deaths from Tuberculous Peritonitis and Enteritis and from Tabes Mesenterica.

(*c*) The total deaths from Congenital Malformations, Premature Birth, Atrophy, Debility and Marasmus, should equal the total in Table III. for ages under 1 year, under the heading Congenital Debility, and Malformation including Premature Birth.

Want of Breast Milk should be included under Atrophy and Debility.

(*d*) For references to the meaning of any other headings, *see* notes attached to Table III.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

G. O. McKANE, Medical Officer of Health.

March 20th, 1916.

TABLE III.—L G.B.

Causes of, and Ages at Death during the Year 1915.

GRIMSBY RURAL DISTRICT.

SEE NOTES PAGE 10.

Causes of Death.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District. (a).									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District (b).
	All Ages.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45	45 and under 65.	65 and upwards.	
1	2	3	4	5	6	7	8	9	10	11
All causes { Certified (c) ...	148	25	8	6	9	7	21	23	49	
All causes { Uncertified ...	4	2							2	
Enteric Fever										1
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Measles	7	1	4		2					
Scarlet Fever										4
Whooping-Cough										
Diphtheria and Croup ..	3			1			2			6
Influenza	5				1			1	3	
Erysipelas										
Phthisis (Pulmonary Tuberculosis)	8				1	2	3	2		
Tuberculous Meningitis ..	3		1	1			1			1
Other Tuberculous Diseases ..	1					1				
Cancer, malignant disease ..	11						1	1	9	
Rheumatic Fever										
Meningitis (*See* note (d)) ...	3			1	1	1				4
Organic Heart Disease ..	19	1		1	1		4	4	8	
Bronchitis	13	2	2					2	7	
Pneumonia (all forms) ..	9	1	1	1			3	2	1	
Other diseases of Respiratory organs	4					1	1	2		1
Diarrhœa and Enteritis (*See* note (e))	1	1								
Appendicitis and Typhlitis .	1				1					
Cirrhosis of Liver										
Alcoholism										
Nephritis and Bright's Disease	2						1	1		
Puerperal Fever ...										
Other accidents and diseases of Pregnancy and Parturition ...										
Congenital Debility and Malformation, including Premature Birth	11	11								
Violent Deaths, excluding Suicide	6	2				1	1	1	1	
Suicide										
Other Defined Diseases	44	8		1	2	1	4	7	21	
Diseases ill-defined or unknown.	1								1	
Totals	152	27	8	6	9	7	21	23	51	17
Sub-Entries. included in above figures. (a) Cerebro-spinal Meningitis ...	1						1			
(a) Poliomyelitis ..										
*Pneumonia ..	4						1	2	1	

* Sub-Entries should here be made for other deaths which it is desirable to distinguish, on account of their administrative importance or special interest (*e.g.*, any deaths from Anthrax, Typhus or Glanders, which have been included under *Other Defined Diseases*; or deaths from pneumonia other than broncho-pneumonia which have been included under *Pneumonia all forms*).

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(*a*) All "Transferable Deaths" of residents, *i.e.*, of persons resident in the District who have died outside it, are to be *included* with the other deaths in columns 2-10. Transferable deaths of non-residents, *i.e.*, of persons resident elsewhere in England and Wales who have died in the District, are in like manner to be *excluded* from these columns. For the precise meaning of the term "transferable deaths" *see* footnote to Table I.

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N.B.—Deaths of Soldiers and Sailors occurring in hospitals and institutions in the district are to be excluded from the total number of deaths registered in the district, and such deaths should in like manner be excluded from column 11 of Table III.

TABLE IV.—L.G.B.

GRIMSBY RURAL DISTRICT.

INFANT MORTALITY, 1915.

Nett Deaths from stated causes at various Ages under 1 Year of Age.

CAUSES OF DEATH.	Under 1 Week	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 month.	1-3 Months.	3-6 Months	6-9 Months.	9-12 Months.	Total Deaths under 1 year.
All causes { Certified.	10	2	1	3	16	2	3	3	1	25
All causes { Uncertified.						1		1		2
Small-pox	...	...	...	..	...	.	...	...	.	...
Chicken-pox	.	...	.	...	...	...	...	..	.	...
Measles	...	...	.	...	...	...	...	1	...	1
Scarlet Fever	...	...	...		...	..	..	...	.	...
Whooping-cough	...	...	.	...	...	.	..	...	...	...
Diphtheria and Croup ...	...	...	...	..	...	...	...	...	..	...
Erysipelas	...	...	...	...	...	...	...	...	..	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	..	...
Abdominal Tuberculosis (*b*) ...	...	...	...	...	...	...	...	..	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	.	.	...	...	...
Meningitis (*not tuberculous*)	...	...	...		...	..	...	...	..	..
Convulsions	2	1	...	..	3	1	...	..	..	4
Laryngitis	...	...	...	...	...	...	...	..		...
Bronchitis	...	...	...	...	...	.	...	2	..	2
Pneumonia (all forms) ...	...	...	...	...	...	..	...	...	1	1
Diarrhœa	...	...	...	...	...	...	.	...	...	...
Enteritis	.	...	1	.	1	...	...	...	...	1
Gastritis	.	.	...	...	...	...	1	...	...	1
Syphilis	...	1	...	..	1	..	...	...	...	1
Rickets	...	...	...		...	...	...	..	...	...
Suffocation, overlying ...		.	...	...	...	.	...	...	..	...
Injury at Birth	...	.	...	...	...	.	.	...	...	...
Atelectasis	1	...	...	...	1	.	...	...	..	1
Congenital Malformation (*c*)	1	..	..	.	1	.	...	1	...	2
Premature Birth	3	...		1	4	...	...	.	.	4
Atrophy, Debility and Marasmus	2	...	...	2	4	1	1	..	.	6
Other causes	1		...	.	1	1	1	...	..	3
Totals	10	2	1	3	16	3	3	4	1	27

Nett Births in the year { legitimate 260. illegitimate 10.

Nett Deaths in the year of { legitimate infants 24. illegitimate infants 3.

NOTES TO TABLE IV.

(*a*) The total in the last column of Table IV. should equal the total in column 10 of Table 1, and in column 3 of Table III.

(*b*) Under Abdominal Tuberculosis are to be included deaths from Tuberculous Peritonitis and Enteritis and from Tabes Mesenterica.

(*c*) The total deaths from Congenital Malformations, Premature Birth, Atrophy, Debility and Marasmus, should equal the total in Table III. for ages under 1 year, under the heading Congenital Debility, and Malformation including Premature Birth.

Want of Breast Milk should be included under Atrophy and Debility.

(*d*) For references to the meaning of any other headings, *see* notes attached to Table III.

In recording the facts under the various headings of Tables I., II., III. and IV., attention has been given to the notes on the Tables.

G. O. McKANE, Medical Officer of Health.

March 20th, 1916.

FORM 572.

GRIMSBY RURAL DISTRICT.

TABLE.

FACTORIES, WORKSHOPS AND WORKPLACES.

1.- INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
FACTORIES ... ... (Including Factory Laundries)	...	...	...
WORKSHOPS ... ... (Including Workshop Laundries)	21	...	...
WORKPLACES ... ... (Other than outworkers' premises)	...	...	...
Total	21	...	...

2.—DEFECTS FOUND.

Particulars. (1)	Number of Defects.			Number of Prosecutions. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
*Nuisances under the Public Health Acts:**				
Want of Cleanliness	2	2	...	...
Want of Ventilation	...	...	...	...
Overcrowding	...	...	...	...
Want of Drainage of Floors	...	...	...	...
Other Nuisances	2	2	...	...
Sanitary Accommodation (Insufficient	...	4 W.C.'s built	...	...
Sanitary Accommodation (Unsuitable or Defective ...	4		...	...
Sanitary Accommodation (Not separate for Sexes ...	...	...	...	...
Offences under the Factory and Workshop Acts:				
Illegal occupation of underground Bakehouse (s. 101)	None	...	...	...
Breach of special sanitary requirements for Bakehouses (s.s. 97 to 100) ...	None	...	...	...
Other offences ... ... (Excluding offences relating to out-work)	1	1	...	...
Total	8	8	...	...

* Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

Grimsby Rural District Council.

Annual Report for the Year Ending December 31st, 1915.

Council Offices,
Deansgate,
Grimsby,
March, 1916.

To the Chairman and Members of the Grimsby Rural District Council.

Gentlemen,

I have the honour of submitting to you, pursuant to the Order and Circular of the Local Government Board, my Annual Report in which is recorded particulars of the work done in connection with my Department during the past year.

Inspection of District.

The total number of Inspections made during the past year (exclusive of any in connection with the billeting of troops, which is referred to below) in connection with the work of the Department was 1,315. This includes Inspection under Housing (Inspection of District) Regulation, 1909, and Dairies, Cowsheds, Slaughter-houses, and visits in connection with Infectious Diseases, &c.

The number in connection with Army Billets and Navy Latrines was 63, making a grand total of 1,378.

Where nuisances have been found to exist, the persons concerned had their attention drawn to the matter, either by interview, letter, or notice pointing out the necessary remedial works. In nearly every case this has been sufficient, only five statutory notices being necessary.

Re-inspections have been made to see that the work has been properly carried out.

Food Inspection.

I endeavour as frequently as possible to inspect the Slaughter-houses and other premises where food is prepared or kept for sale, and during the year a small quantity of meat and fish has been destroyed.

There are six Slaughter-houses in the District, and at my request to you, Urban Powers have been obtained, but to the time of writing, Bye-Laws, which you have passed, have not received sanction from the Local Government Board. On the whole the Slaughter-houses and other Food Premises are kept in a clean condition.

Dairies, Cowsheds and Milkshops.

There are 92 Cowsheds and 4 Purveyors of Milk in the District. At the last inspections there were 927 milch cows in the district, the milk for the best part being sent to the Borough of Grimsby. The Cow-keepers in general endeavour to comply with the Council's Regulations, and I have had printed a small Circular drawing their attention to the necessity for limewashing twice during the year as *per* regulations. Two sheds have been thoroughly overhauled and another changed from Horse Stable to Cowshed.

There is one Milkshop at Little Coates.

Fish Curing Premises.

These works have been inspected during the year, but since the outbreak of the war there has been but little business doing among them.

Offensive Trades.

Since the alterations carried out at the Liver Boiling Premises mentioned in my last year's report no nuisance has been reported.

Infectious Diseases.

65 visits, including 35 rooms disinfecting have been made during 1915 in connection with this work, and one School Disinfected.

When cases have not been sent to the Isolation Hospital frequent visits have been paid to see that observations of certain rules are kept, and the occupants are well supplied with disinfectants.

H.T.P. Act, 1909, Inspection of District.

31 inspections have been made in connection with the above during the year, and 25 repaired, with 55 nuisances abated.

A special inspection of 46 empty houses was made due to the requests of the owners and the Great Central Railway and after the report was considered by the Immingham

Committee, it was decided to ask the owners to carry out my suggestions. This most agreed to do but suggested it should be held over until they receive applications for occupations.

This was reported to you when you decided that as these were not in such a condition to apply a closing order you would accede to this request.

Scavenging.

At Immingham and Little Coates the Scavenging by the Contractors has been carried out in a satisfactory manner, the number of loads from Little Coates moved were approximately 260, while at Immingham the number was approximately 600.

In the first case (Little Coates) only dry house refuse is moved as the parish has a water carriage system of w.c.s, whereas Immingham is still on the box closet system.

Encampments on the Foreshore—Humberston.

I have inspected the Camps, which are used chiefly in the summer for "camping out" and found them in a good sanitary condition.

Port Sanitary Work.

The number of ships inspected during 1915 has been smaller than previously, viz.: 83, as compared with 103 during 1914, but this does not represent all the ships that entered Immingham Dock as I have to limit my inspections for one day per week. The shipping has, however, been very much less owing to the war, than it would otherwise have been.

In dealing with nuisances discovered aboard any ships, I notify the owner generally if British, and the master in case of foreign vessels either by letter or interview, and invariably my requests are acceded to.

I would like the Council to bear in mind that signs are not wanting that after the war is over, this work will be very much increased.

I Disinfected one ship during the year after a case of Beri-Beri (Swede) had been removed to the Local Hospital.

Some Foodstuffs have been imported here and have been inspected by myself.

Twenty-five Canal Boats have been inspected during the year and the major portion are well kept.

As in previous years, I have Tabulated the Sanitary Work done by me during the past year, so that without much trouble the nature of the work done in each Parish may be easily seen.

Military Billets, &c.

I have been frequently in communication with the Military Sanitary Officer in charge of the sanitary arrangements and have disinfected billets, &c., at his request, besides having made inspections of the Camps and Billets in our District.

In conclusion I beg to express my thanks to the Members of the Council and the Medical Officer of Health for their support during the year.

I am,

Gentlemen,

Your obedient Servant,

JAMES H. EVANS,

Sanitary Inspector,

Canal Boats Inspector, etc.

TABLE I.

TABLE OF SANITARY WORK DURING 1915.

INSPECTION OF PREMISES.

Routine	511
Interviews	126
Cowsheds	136
Slaughter-houses, Butchers' Shops, and other Food Stores	29
Factories, Workshops and Bakehouses ...	21
Works in Progress...	160
H.T.P. Act, 1909	31
Do. Works in Progress	47
Empty Houses Special...	46
Immingham, King's Dock and Inspection of Ships	83
Immingham, King's Dock and Inspection of Canal Boats	21
Offensive Trades	12
Infectious Disease	29
Do. Do. Disinfecting	35
Do. Do. Schools Disinfecting	1
Do. Do. Ships Disinfecting ...	1
Fish Curing Works	11
Knacker's Yard	15
	1315
Re Naval and Military Billets, etc.	
No. of Inspections of Billets	60
No. of Billets Disinfected	3
	63
Total Inspections	1378

Number of Nuisances Abated.

Dwellings ordinary	351
H.T.P. Act, 1909	55
Cowsheds	42
Slaughter-houses	6
Fish Curing Premises	5
Ships, Immingham Docks	14
Canal Boats, Immingham Docks...	25
Factories, Workshops, etc.	5
	503
Informal Notices, including letters written	475
Statutory Notices served	5

TABLE II.

WORK DONE UNDER THE PUBLIC HEALTH ACTS OTHER THAN THE H.T.P. ACT, 1909.

	Ashby-cum-Fenby.	Aylesby.	Bradley.	Brigsley.	Habrough.	Great Coates.	Little Coates.	Healing.	Humberstone.	Ravendale, East.	Laceby.	Immingham.	Scartho.	Stallingboro'	Waltham.	Irby.	Total.
New W.C. Pans provided	...	...	...	...	...	...	8	1	...	...	...	...	...	...	...	...	9
Foul ,, ,, cleansed	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	4
Choked ,, ,, cleared	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Flushing W.C. Pipes repaired ...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	4
New Closet Pails provided	...	...	...	...	...	...	...	...	...	...	1	25	...	...	...	...	26
Privy Middens abolished..	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	2
Choked Drains cleared ..	...	...	...	...	...	...	20	1	...	...	4	32	3	...	3	...	63
Drains relaid	...	..	2	...	..	...	...	...	...	...	...	1	...	...	...	...	3
New Drains laid	...	...	...	...	...	...	...	...	...	...	...	3	1	...	...	...	4
Drains trapped	...	...	...	...	...	...	...	...	2	...	1	1	...	...	...	...	5
Open Drains cleansed ...	2	1	1	1	1	1	...	...	1	...	1	3	4	1	3	...	20
Sewers stopped	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
,, flushed	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Cesspools abolished ...	...	.	...	...	...	...	...	...	...	...	1	3	...	...	...	1	5
Cesspools cleansed ...	...	...	...	...	...	...	...	...	...	...	2	1	...	...	...	...	3
Manhole covers provided	...	...	...	..	...	...	...	...	...	...	...	2	...	...	...	..	2
Accumulation removed ...	...	..	1	...	...	...	5	1	...	...	2	3	1	1	4	...	18
Dirty Houses cleansed ...	...	...	...	...	...	..	2	...	..	...	...	1	...	...	...	...	3
Houses overcrowded ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Dust Bins provided ..	...	..	...	...	...	...	35	...	...	...	...	13	...	...	...	...	48
Yards paved	...	1	...	...	2	..	4	...	1	...	...	71	1	...	1	1	82
Eaves Guttering repaired	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	3
Roofs repaired	...	...	...	...	...	...	2	...	...	...	...	4	...	...	...	...	7
Floors ,, ...	...	1	...	...	...	...	4	...	...	...	...	4	3	...	...	...	11
Yard cleansed	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Manholes cleansed ..	...	...	...	...	...	...	1	...	...	...	...	3	...	...	...	...	4
Eaves Guttering provided	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Damp Walls remedied ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Vent Shafts provided ...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
Water supplied to Cottages...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
Swine kept so as to be etc...	...	...	...	...	1	...	...	...	...	2	...	2	...	...	...	...	5
Earth Closet ventilated...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Septic Tank cleansed ..	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Sewer laid...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ceilings repaired... ...	...	...	...	...	...	...	3	...	...	...	..	...	...	...	...	...	3
Foul Trough Closet cleansed...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Houses Ventilated ...	...	1	...	...	...	...	...	...	...	...	...	...	..	...	...	...	1
Wells Closed	...	..	...	...	1	...	...	...	...	...	...	...	...	...	...	...	..
Stagnant Water removed	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
R.W.P. connected to Conduit	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	5
Floors Ventilated ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Inspection Chambers	...	..	...	...	...	...	...	...	...	...	...	4	...	...	...	...	4
Drain connected ..	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Water samples taken ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Totals	2	5	4	1	4	3	91	3	4	5	13	188	13	2	11	3	351

TABLE III.

WORK DONE UNDER THE "HOUSING AND TOWN PLANNING ACT, 1909."

	Immingham.	Healing.	Little Coates.	Laceby.	Total.
No. of Inspections ...	25	5	—	1	31
„ Re-Inspections ...	39	—	4	4	47
„ Official Reports ...	25	5	—	1	31
„ Houses Repaired...	25	—	—	—	25
„ „ Closed ...	—	—	—	—	—

Boxes provided	11
Closet accommodation provided	5
New separate Closet accommodation provided	3
Drains repaired	3
New Drains laid	5
Insanitary Traps abolished	1
Trapped earthenware gullies provided	4
Yards paved	1
Roofs repaired	6
Eaves guttering repaired	13
Eaves guttering provided	1
Ashbins provided	3
Dirty rooms cleansed	10
Floors repaired	1
New roofs	9
Plastering repaired	4
Chimneys repaired	8
Walls (brickwork) repaired	9
Damp walls remedied	4
Lead Work repaired	12
Filth Accumulation removed	3
Cottages supplied with water	4
Privy middens abolished	5
Drain cleansed	1
Obstruction of Ventilation removed	2
New Ceilings provided	4

COWSHEDS.

No. on Register	92
No. of Cows	927
No. of Milk Purveyors	4
No. of Inspections	136

Contravention of Regulations.

Light and Ventilation wanted	12
Limewashing wanted	18
Defective Drains	2
Defective Floors	6
Unregistered	2
Causeway, want of	2
	42

Contraventions Remedied.

Light and Ventilation provided	12
Sheds Limewashed	18
Drains Relaid	2
New Floors provided	6
Registered	2
Causeway provided	2
	42

SLAUGHTER-HOUSE NUISANCES.

No. of Slaughter-houses on register ...	5
Nuisances reported	9
Nuisances abated	9
Accumulations removed	3

FISH CURING PREMISES.

No. of Fish Curing Premises	7
Nuisances reported	5
Nuisances abated	5

OFFENSIVE TRADES.

No. of premises	4
No. of Inspections	12